

Abstract Of The Disclosure

A method for receiving radio signals in a mobile station, and
a mobile station for sending and receiving radio signals are
proposed. The method and the mobile station have the aim of
correcting predistorted code-spread and phase-modulated radio
signals with respect to a phase error. In this context, in the
receiver of the mobile station, the phase is determined for
the radio signals, in order to carry out a phase demodulation,
and the phases are mapped in a preselected phase zone and
averaged, in order to formulate therefrom a phase correction
factor, by which the code-despread radio signals are
multiplied in order to correct the phase error. The method
according to the present invention therefore improves the data
detection of the received radio signals.